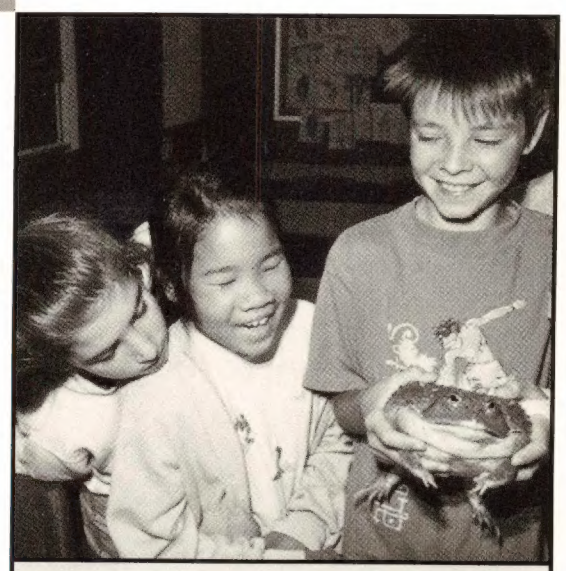
1990•1991

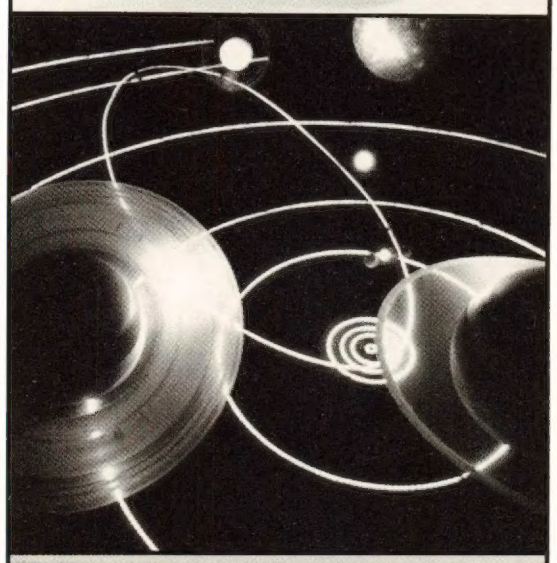
Natural History Museum

Steinhart Aquarium

Morrison Planetarium

CALIFORNIA ACADEMY OF SCIENCES





ANNUAL REPORT

FROM THE CHAIRMAN OF THE BOARD OF TRUSTEES

This year has been a most exciting and productive time at the Academy. A strategic planning committee of the Board of Trustees has been asked to work with staff in an effort to formulate the Academy's objectives for research and education that will bring us into the next century. It is essential for the Academy to develop its vision regarding what it wants to accomplish in the important years ahead.

We are reviewing ways to maximize the use of our existing physical space. The opening of the Herbst Portico this year is an example of how we are able to create an effective and artistic use of space.

We want to look at our exhibit halls–African Hall, Wild California, Wattis Hall of Human Cultures, Life Through Time, the Aquarium and Planetarium–to find new ways of enhancing the visitor experience. We are especially interested in increasing our informational resources. There are many ways to make information available, and technology will provide us with a multitude of interactive solutions.

The opening of the Biodiversity Resource Center has provided our visitors with electronic access to scientific information. The Center enhances a learning environment designed to help the public better understand the complexity and beauty of the world around us.

The Academy must continue to operate from a sound financial base. The generosity of our members in the forms of annual giving, bequests and support for the endowment enable the Academy to further its work. This year more than $3,000,000 was received in bequests to the Academy. The gift of the Schlinger Foundation to establish a Chair of Arachnology has enabled the Academy to continue to pursue its mission of basic natural science research.

I am increasingly concerned that the young people of our country are not attracted to careers in science. Young scientists need to associate with scientific role models. The Fellows of the Academy have been asked to explore with the Academy staff new ways to cultivate relationships with young potential scientists.

It is with great pride for our past achievements and anticipation of the challenges of the future that I extend my thanks to the Academy's many generous supporters.

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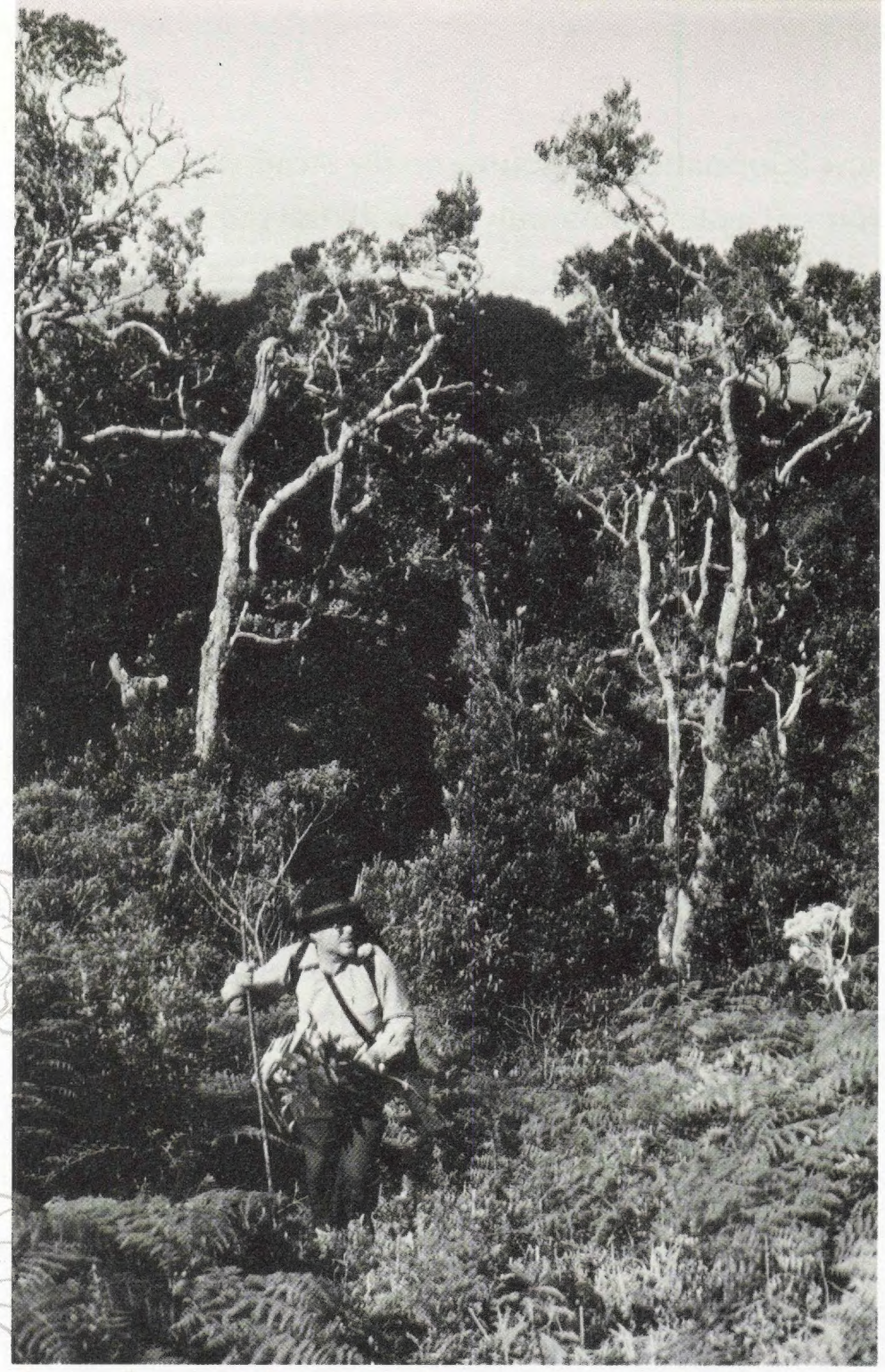
EXPLORING A WORLD WORTH SAVING

In all of its efforts, the California Academy of Sciences pursues the dual goals of scientific research and education. The Academy is uniquely positioned to fulfill this mission as the only museum in the United States that combines original research with halls of natural history, an aquarium and a planetarium. The tremendous resources of the Academy's eight scientific departments, its outstanding permanent and temporary exhibits and extensive public educational programs inspire people of all ages and backgrounds to explore the rich variety of life on Earth.

The Academy is forming many unique partnerships and alliances with other scientific, environmental, cultural and educational organizations within the community and beyond. Through these collaborative efforts, the Academy seeks to expand its efforts as a resource for knowledge about our planet's fragile environment.

At the heart of the Academy is a scientific research institution of international renown. Academy scientists and the expanding body of collections serve as an international resource for studies on the biodiversity of the planet and the cultural diversity of its inhabitants. Utilizing more than 14 million specimens–preserved plants, animals, fossils and cultural artifacts–Academy scholars further scientific study around the globe. Each year the Academy hosts hundreds of visiting scientists and sends out hundreds of thousands of specimens on loan. The Academy's collections are ranked among the most important in the world. A long-range project to create a computer catalog of the collections reached its first milestone this year with the computerization of the entire herpetology collection.

In a tradition of public service, Academy scientists cooperate with government agencies, hospitals, universities, corporations, policy makers, environmentalists, teachers, students and the media on projects ranging from endangered species and agricultural threats to natural toxins. Our scientists travel around the world to catalog biological diversity, describing more than 100 new species every year. The important work of describing species identifies the unique qualities of plants and animals and helps us to better understand the complex web of life. Current Academy research projects



Academy Botanist Dr. Bruce Bartholomew at La Amistad Biosphere Reserve in Costa Rica.

include work at La Amistad Biosphere Reserve in Costa Rica (a joint project with the Center for Conservation Biology at Stanford University); the Impenetrable Forest, Uganda; the coral reefs of New Guinea and Madagascar; deserts of southwestern Asia; the mountain cloud forests of southern Mexico; and Socorro Island off the west coast of Mexico, to name a few. Our researchers work closely with their colleagues in these countries to encourage foreign scientists to use the Academy's collections in their work and to help them with their own habitat evaluation and conservation work. This August, the Academy and San Francisco State University hosted the International Diatom Symposium, bringing together 210 diatom researchers from 30 nations. The Academy has been a leader in evolutionary biology for more than a century. Now as environmental change accelerates, the work of our scientists is more important than ever. Academy researchers share their findings by publishing scientific papers. This year 131 original papers were published by Academy scientists and their departmental associates.

A new informational resource on the Academy's main floor, The Biodiversity Resource Center, communicates with the public about science in a new way. The Center, which is an extension of the Academy Library, provides direct access to an immense variety of informational resources that describe biological diversity and human efforts to preserve it. The Center uses the latest information technology, including videos, laser disks, and databases which connect to other Bay Area libraries and universities. In addition, the Academy Library's 170,000 volumes have been added to the University of California's MELVYL Catalog. This enables any person with a computer modem to access the Library's holdings. We are the first library outside of the state system to have our records added to this important resource.

The Academy's exhibits and public programs bring the world of Academy research to the public. This year marks the first anniversary of the new hall, "Life Through Time: The Evidence for Evolution." This most recent addition to the Academy's permanent displays is the most up-to-date and comprehensive exhibit about evolution in the world. "Life Through Time" emphasizes common ancestors of modern day organisms, unifying all of the Academy's diverse displays with the perspective of how life has evolved and continues to change.

The commemorative exhibit, "Yosemite 100," celebrated the centennial of Yosemite National Park. Designated a national park on October 1, 1890, Yosemite has since played a central role in shaping the development of our national park system and the understanding of our responsibility to preserve public lands. Working in tandem with the National Park Service, "Yosemite 100" focused national attention on one of California's most spectacular natural treasures.

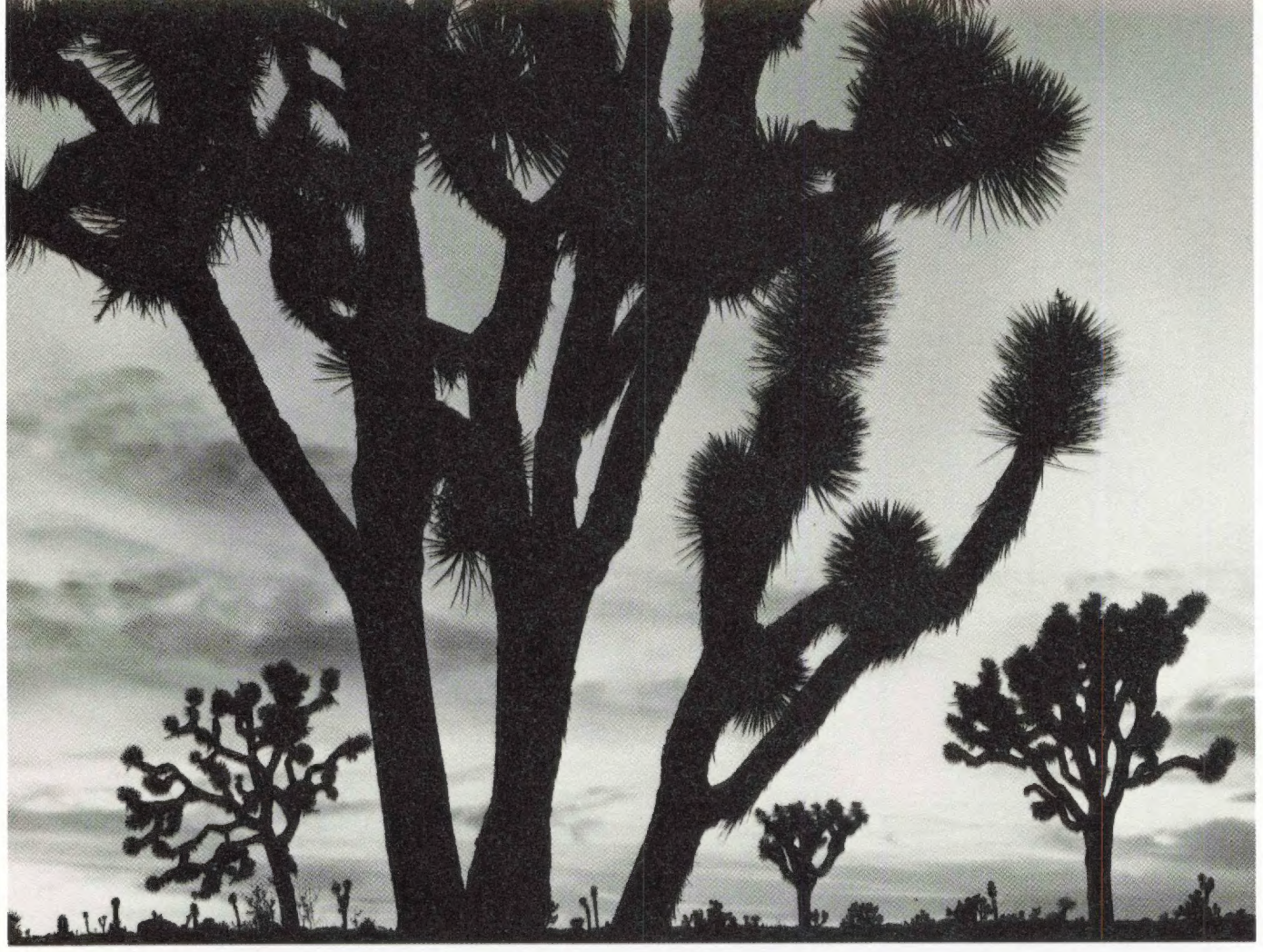
A second Yosemite exhibit, "John Muir: The Yosemite," coupled photographs by Galen Rowell with text by John Muir. An accomplished mountaineer, Rowell's skills enabled him to achieve unrivaled perspectives and spectacular images. The Academy first exhibited Rowell's photographs of Mountain Light in 1983 and is proud to continue the association.

Arthur Haack with Dr. Tom Daniel.

Fifty-two botanical watercolors by August Henry Kramer revealed the wonderful history of the Academy's Botany Department in an exhibit entitled, "Western Wildflowers Rediscovered." Kramer's complete collection of watercolors had been left to his grand nephew, Arthur Haack, and his wife, Jeanne, who discovered the artist's connection to the Academy and to Kramer's friend, Alice Eastwood, longtime Curator of the Academy's Botany Department.

John Thomas Howell, 87-year-old Curator Emeritus of Botany, fondly remembers Kramer and his paintings, many of which are based on specimens preserved in the Academy's Herbarium. We also found Kramer's many letters to Miss Eastwood, all filed in the Academy's Archives. The Haacks generously concluded that August Kramer's collection belonged in San Francisco and presented the Academy with a rare gift of paintings.

Drawn by August Henry Kramer, 1929.

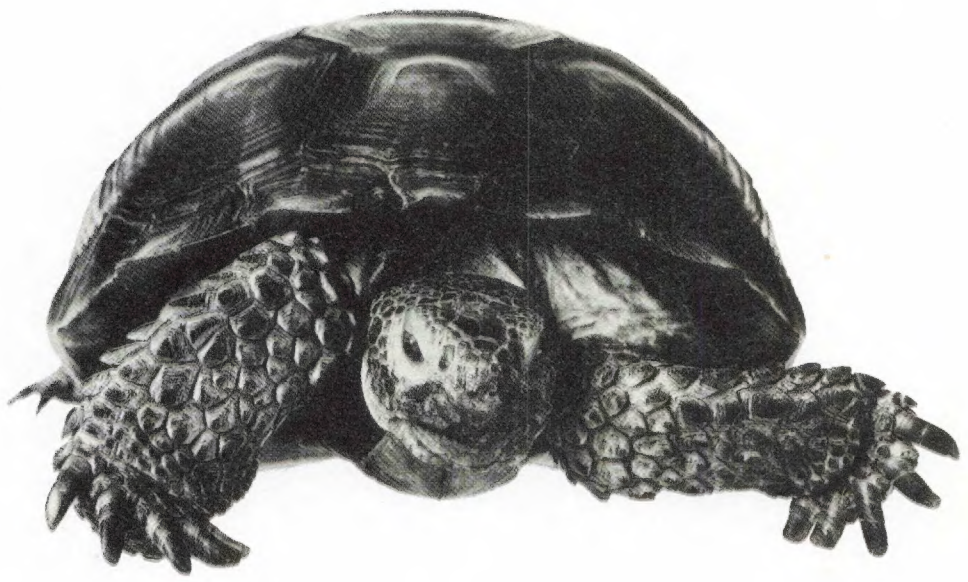


In an effort to raise public awareness about the plight of the California desert, one of the largest unbroken sections of wilderness remaining in the continental United States, the special exhibit, "The Vanishing Desert: California's Threatened Habitat," described the vast beauty and distinct diversity of this delicate land.

As environmental degradation escalates, the Academy finds it necessary to provide a forum for the ongoing dialogue about the problems of human impacts to fragile natural ecosystems.

Last August, the Academy closed its front entrance for seismic reconstruction. In May, Mayor Art Agnos opened the new Herbst Portico and proclaimed Academy of Sciences Week in San Francisco. Nine dinosaurs roared a welcome to visitors who entered the museum through the new main entrance to DinoFest '91, one of the most popular exhibits of the year. Academy Fellow Dr. Kevin Padian provided current scientific findings for the exhibit, and the Museum of Paleontology at the University of California at Berkeley loaned many impressive fossils.

Reaching more than 300,000 school children each year, the Academy is the "biggest school in Northern California."



Photograph by Susan Middleton
and David Liittschwager
© 1988 Susan Middleton

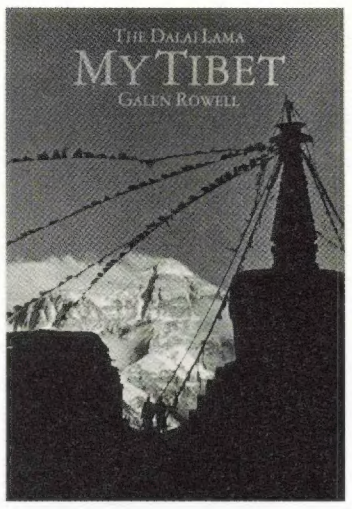
Three special photographic displays over the last year illustrate the variety and scope of the Academy's ambitious changing exhibit program.

DinoFest '91

"Within a Rainbowed Sea" featured the spectacular underwater imagery of author and photographer, Christopher Newbert. He presented Academy visitors with a beautiful photographic complement to the Aquarium's 14,000 aquatic species. Newbert's images captured the amazing variety of marine plants and animals in their natural state. "By looking within a rainbowed sea," said Newbert, "a different, perhaps larger view of my own existence became visible."

"Space Places," another extraordinary photographic record, dramatically depicted the human dimensions of space exploration and astronomical study around the world. Roger Ressmeyer's photographic space odyssey spanned the globe from England's Stonehenge to Hawaii's Mauna Kea and the Soviet Union's Star City. "Space Places" was a thoughtful evocation of the people and technologies that are changing the course of our lives and the future of our planet. In revealing the full scope of the human effort to reach the stars, "Space Places" also spoke to the crucial relationship between our knowledge of the heavens and our ability to sustain life on Earth.

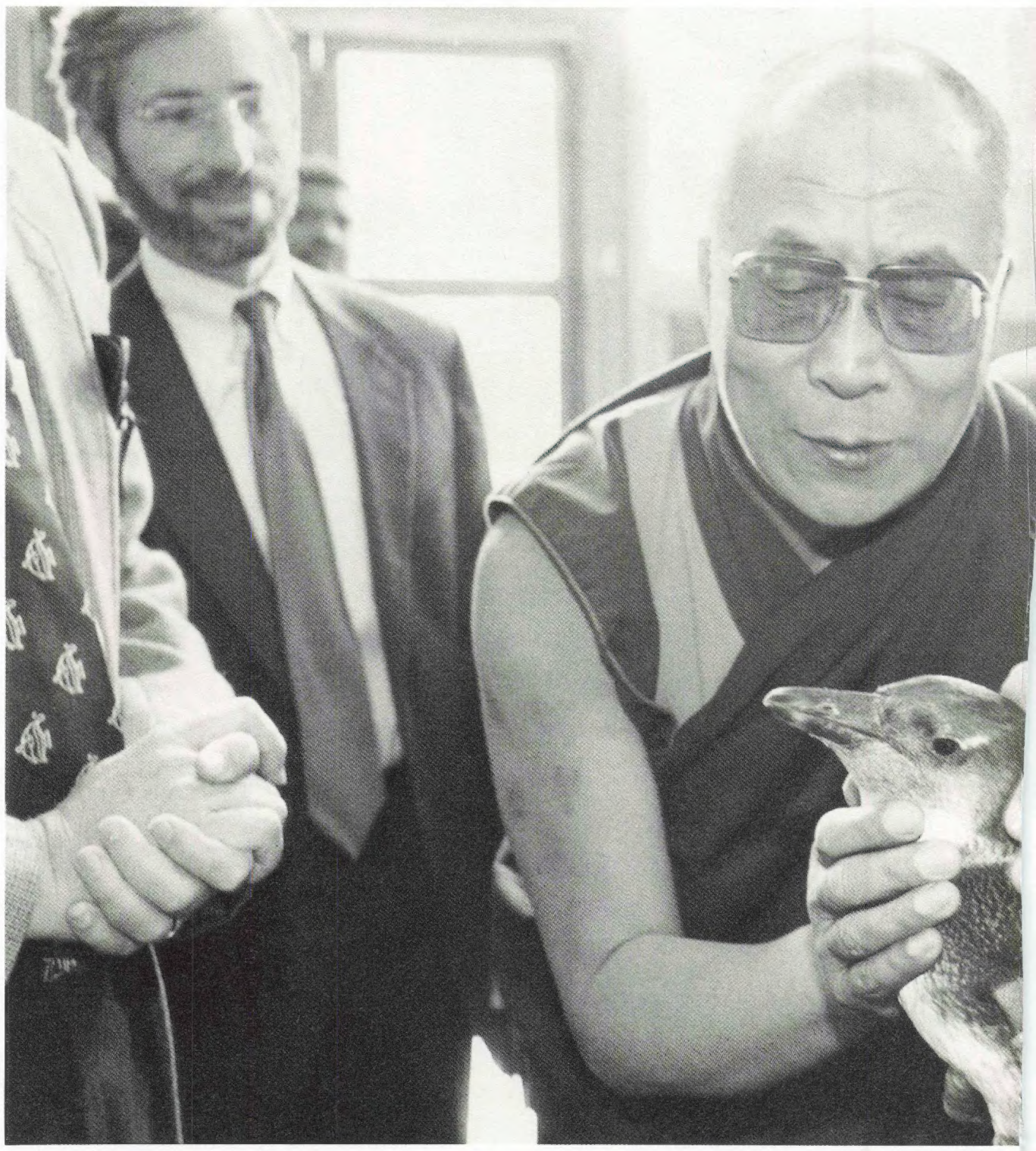
"My Tibet" combined the work of Galen Rowell with text by His Holiness the Fourteenth Dalai Lama. The Academy was deeply honored when His Holiness visited the museum to open the exhibit. The Academy collaborated with several Bay Area groups to prepare for the Dalai Lama's visit: Tibet House, the Asian Art Museum, Bay Area Friends of Tibet and Mountain Light Photography, among others.



The Dalai Lama revealed many sides to his nature– compassion, profound faith, common sense, generosity of spirit, humor and a deep respect for the environment. The Dalai Lama's heartening words, coupled with Galen Rowell's compelling images, left no doubt that the mystery and beauty of Tibet, though endangered, are very much alive. Together they sought to preserve for future generations the enduring meaning of Tibet's culture, religion and natural heritage.

The world grows smaller and smaller, more and more interdependent...today more than ever before life must be characterized by a sense of universal responsibility, not only nation to nation and human to human but also human to other forms of life.

–Dalai Lama, Tenzin Gyatso

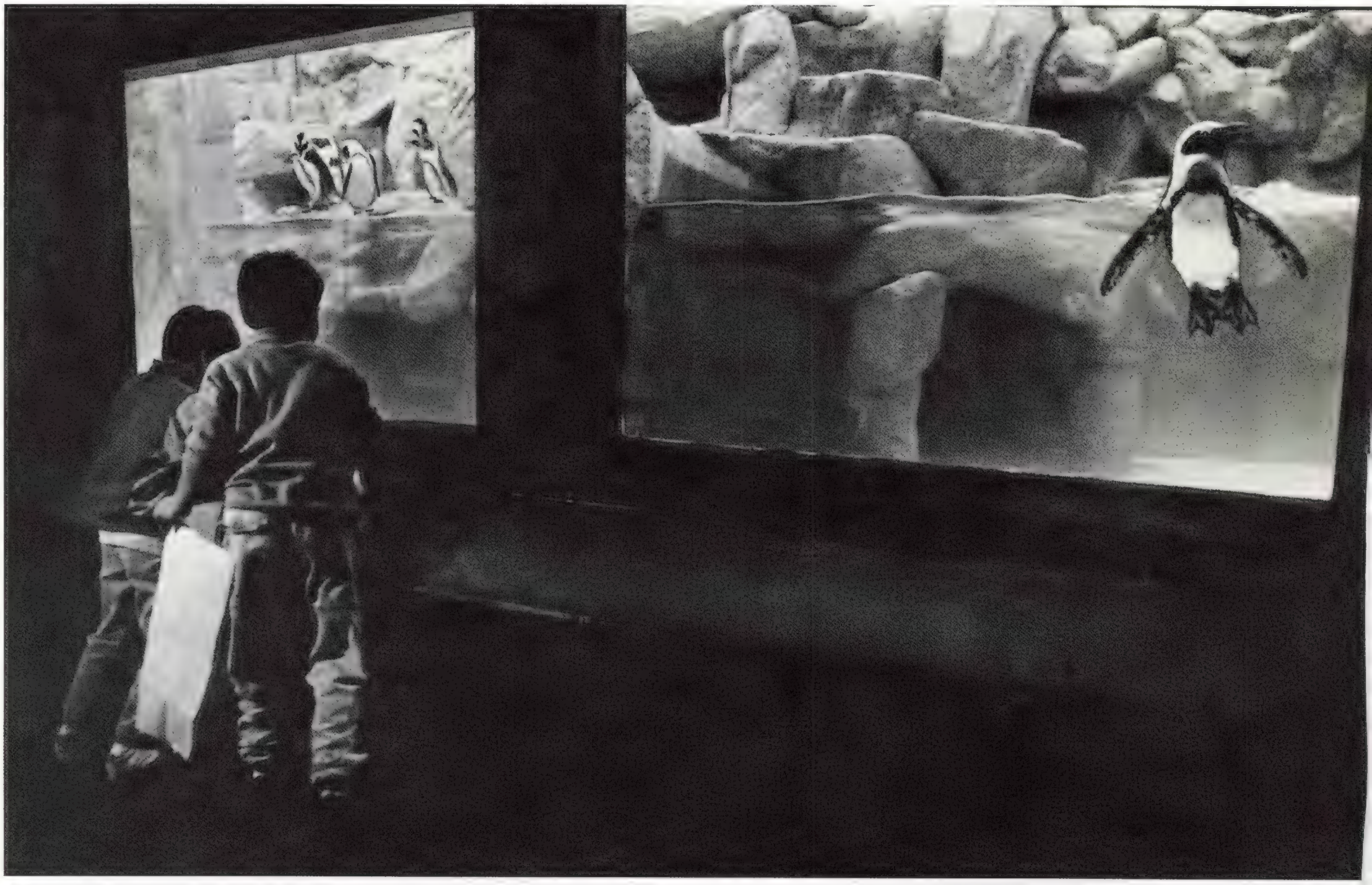


Jerry Saunders, His Holiness the Dalai Lama, Orbit the Penguin, Galen Rowell, and Barbara Cushman-Rowell

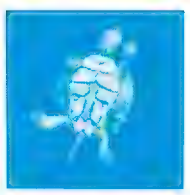
Many of these exhibits received their premieres at the Academy and will now travel to other museums and exhibition spaces across the nation. As a new part of our outreach, the Academy produced several exhibits that have been shown within the community. A collaboration with the San Francisco International Airport profiled the Academy's contributions to understanding the rich diversity of natural and cultural resources of the West. Founded in 1853, the Academy is the oldest scientific institution in the West, and selections from the collections were used in this extensive exhibit to trace the development of Western North America to the Pacific Rim. Other special outreach exhibits included a display at Stonestown Galleria and the San Francisco Visitor Information Center.

The Academy's traveling exhibit of photographs by Susan Middleton and David Liittschwager, "Sliding Toward Extinction: The Vanishing Wildlife of California," a joint project with the California Nature Conservancy, brought the message of preservation to the State Capitol Rotunda and museums throughout the State.

In the Steinhart Aquarium, the black-footed penguins received a new home this year. The renovated exhibit gives the colony of sixteen adult birds a larger swimming area and Academy visitors an enlarged view of the antics of these delightful flightless birds. More nesting sites provide the birds, which are a threatened species, better space to raise their precious young and gives the public the unique opportunity to observe the distinctive behaviors between adult and baby penguins. Since 1983, the Academy has successfully raised 35 baby penguins.



For the first time in its history, the Aquarium, the oldest and the most diverse in the United States, displayed a pair of live Mahi-mahi. Raised from larvae that were air-shipped from Hawaii, these fish were the sixth generation of captive Mahi-mahi from a research project led by Dr. Syd Kraul of the Waikiki Aquarium in Honolulu.



This June, the planets Venus, Mars and Jupiter converged in the evening sky, drawing closer together than they would again until the year 2277. Free telescope observation of the planets brought the Planetarium's educational work to the Academy's front steps for a week of public skywatching. For this and other celestial events, from equinoxes to meteor showers, Planetarium staff were on call to field questions from both the public and the media. The Planetarium's popular sky shows attract more than 100,000 stargazers to Northern California's largest indoor universe each year. In addition, special school shows reach more than 40,000 students. A new pre-school show, "Starry Skies," was introduced in November and proved to be a great success with more than 2,500 youngsters attending. The Planetarium sky projector received its first major repairs since 1952, when it was built by staff in the Academy's Instrument Shop. An all-sky projection system was installed, and the project of automating the star projector began.

Bing Quock of the Morrison Planetarium charts the skies for Academy visitors.

Eric Milton, a high school Science Intern, presents Birds of Prey to a group of visiting students.

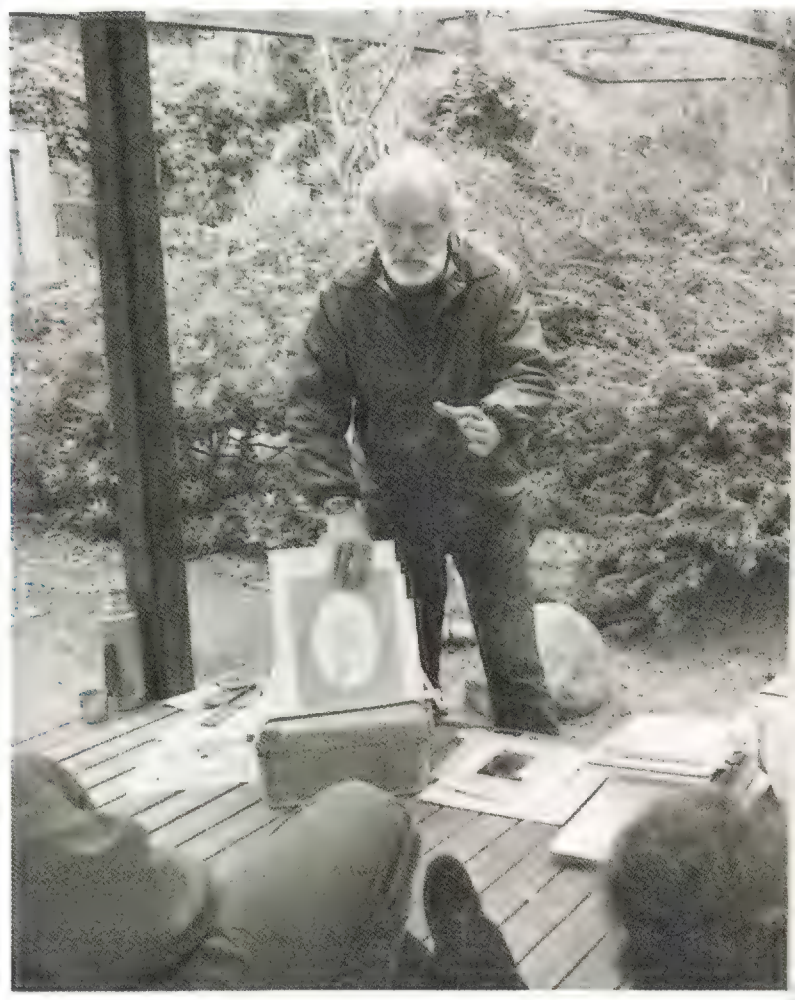
Learning is part of everything we do at the Academy. The dynamic combination of education and research is the basis for a rich variety of special programs. Classes excite thousands about the world of science and nature. The Academy's Education Office provides training, workshops and materials for teachers that take our exhibits and knowledge far beyond the museum walls. Biology Forum, a series of three day-long Saturday sessions, informs teachers about the latest findings in science.

A new Newsletter for educators, *Focus on Science Education*, takes the Academy's educational ideas to 8,000 teachers nationwide. The Academy has developed a new "Educator's Membership," especially to serve the needs of science teachers. In less than a year, the membership has soared to 900. The Classroom Radio Project with students in Bay Area elementary schools has reached over 2,000 students. A Science Intern Program actively involves high school

students at the Academy, who present different research topics to Academy visitors at the Science in Action booth.

The Adult Education program expanded its focus to include trips for families during this year. Trips such as "Pepperwood Herpetology," "Creatures of Streams and Ponds" and the "Adventure of Grizzly Island" were so popular that plans are underway to offer a larger assortment of classes next year.

The Academy's Docent Program provides educational services in the exhibit halls and classrooms. Guided tours of the Academy are provided for school groups, elementary through high school grade levels. Led by volunteers who have



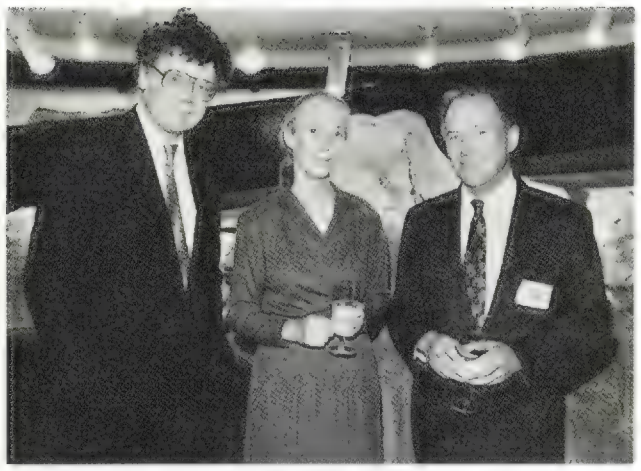
A Botanical Illustration class is taught by Dr. Chuck Stasek.

Shane Stevens, a Polynesian woodcarver, demonstrates his craft in the Wattis Hall of Human Cultures as part of the Traditional Arts artist-in-residence program.

received extensive training from Academy scientists, each docent helps students interpret the exhibits and encourages observation, questioning and discussion. This year docents led more than 14,000 students through the Academy. In addition, trained volunteers bring enrichment programs in natural science for classroom presentation with the Supervan Outreach Program. Currently, the Academy has nearly 1,000 volunteers, including docents.

All of us bear responsibility for environmental problems; we must work together to better understand the impact of our collective behavior.

In the 400-seat Morrison Auditorium, the Academy was host to several lecturers each month addressing topics of environmental and cultural concern to our members and the public. This year's Claire Matzger Lilienthal Distinguished Lecturer was Dr. Peter Raven, Director of the Missouri Botanical Garden, who discussed the "Politics of Preserving Biodiversity." In a lecture co-sponsored with the California Institute of Integral Studies, Jane Goodall shared her experiences studying the chimpanzees of Gombe. Renowned environmentalist, Dr. Norman Meyers, explored the topic of "Extinction, Why We Should Care and What We Can Do," in a lecture co-sponsored with the World Wildlife Fund. A panel discussion looked for "Solutions for the Thirsty State" with representatives from The Natural Resources Defense Council and the California Farm Water Coalition. The Academy and the L.S.B. Leakey Foundation co-presented Kelly Stewart and Alexander "Sandy" Harcourt, describing their work with the mountain gorillas of Rwanda, where they continue the work of Dian Fossey. A special program in association with Film Arts Foundation screened three unusual films about the history and environment of San Francisco Bay. This was the second year of the Planetarium lecture series, "Exploring the Universe," featuring leading scientists who used the unique environment of the Star Theater to illustrate their latest research results, current events in astronomy and space sciences, and future space missions.



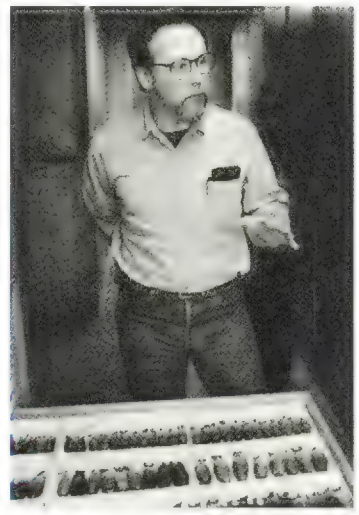
Gordon Getty, Jane Goodall, and Stuart Brown

A new Academy lecture series at the Herbst Theatre brought noted natural history authors to San Francisco for on-stage conversations. Presented with City Arts & Lectures, these special programs provided a powerful forum for the public to learn more about these intriguing authors and their important messages about environmental issues. Barry Lopez, Diane Ackerman, Peter Matthiessen and Paul Ehrlich treated audiences to intimate evenings which included readings of unreleased material and personal accounts. The series will be expanded to six programs in 1992.

Pacific Discovery, the Academy's quarterly magazine, also widened its audience and impact. The publication is now available at more than 500 newsstands and bookstores throughout the western states. *Pacific Discovery* produced a special issue devoted entirely to the importance and beauty of the "Western Wetlands" and the threats to their future from development.

If it weren't for the work of scientists, we wouldn't know now as we enter the 21st century where it is that we are going. We need their work desperately. Our future hangs on their integrity and devotion.

–Barry Lopez



Barry Lopez

The Academy's commitment to studying and communicating about the beauty and diversity of life is strengthened by environmental urgency. In this time of rapid social and environmental change, the Academy's work is vital. To meet the challenges of monitoring the health of the natural world and educating the public about the importance of biological diversity, the Academy is expanding its role by establishing cooperative projects and programs in association with individuals, community groups and organizations who share our commitment. To succeed, we must work collaboratively to instill a sense of understanding, respect and appropriate action to preserve this planet we share.

The honorable service of the Academy's talented staff, dedicated corps of volunteers, scientific fellows, active trustees and the leadership of Executive Director Roy Eisenhardt ensure ongoing success in the important years ahead. To all of the Academy's generous supporters–visitors, members, sponsors and benefactors–we extend our thanks.

GROWTH AND USE OF COLLECTIONS IN RESEARCH DEPARTMENTS

Department	Total specimens accessioned	Total specimens loaned	Total visitors (Number of visitor days)
Anthropology	66	138	67
Aquatic Biology	N/A	N/A	950
Botany	16,156	16,135	733
Entomology	111,090	42,026	3,087
Herpetology	4,122	797	263
Ichthylogy	743	5,604	222
Invertebrate Zoology and Geology	17,826	13,300	417
Ornithology and Mammalogy	711	843	926
Totals	**150,714**	**78,843**	**6,665**
Total holdings in all collections–as of June 30, 1991			**14,384,199**
Percentage of growth since 1972 for all departments			**68.33%**

More than 12,000 runners participated in the 1990 Run to the Far Side.

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Curators' Circle Members of all ages take a closer look at science.

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FELLOWS

The Fellows of the California Academy of Sciences are the governing body of eminent scientists and trustees whose predecessors founded the institution 137 years ago. These individuals represent the full range of disciplines within the natural sciences and are appointed in recognition of their contributions to the growth of scientific knowledge, particularly in the Pacific region. Nominated by their colleagues and appointed by the Board of Trustees at the recommendation of the Science Council, the Fellows remain members of the fellowship for life.

FELLOWS' MEDALIST

Each year, one prominent Fellow is selected for special honors. At the annual Fellows' meeting in October 1990, the institution's highest honor, the Fellows' Medal, was presented to Dr. F. Clark Howell, Professor of Anthropology at the University of California at Berkeley. Dr. Howell is recognized as one of the leading American Scholars in physical anthropology. His research on the Omo Formation in Ethiopia has led to greater understanding of the evolution of primates and other mammals from the Pliocene and Pleistocene in central Africa. Dr. Howell has been an Academy Fellow since 1974, serving the institution in many ways, including a term as Academy Vice President.

DISTINGUISHED SERVICE AWARDS

This year, the Fellows' Distinguished Service Awards were presented to Dr. Al Leviton, Ms. Carol Prince, and Ms. Dawn Davis. Dr. Leviton, Chairman and Curator of the Department of Herpetology, Chairman of Computer Services, and Executive Director Pacific Division of the American Association for the Advancement of Science, has been responsible for the development and support of the Academy's computer systems.

Ms. Prince, Special Projects Coordinator in the Development Department, has provided leadership and guidance to the staff and greatly enhanced communication throughout the Academy.

Ms. Davis, Chief Accountant in the Accounting Department, has volunteered many hours to set up a successful in-house recycling program.

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Bo	Botany
CD	Certified Diver
Cl	Clerical
Do	Docent
DR	Discovery Room
Dv	Development
Ed	Education
En	Entomology
EP	Exhibits–Plants
Ex	Exhibits
He	Herpetology
Ic	Ichthyology
ID	Information Desk
IG	Invertebrates & Geology
IS	Instrument Shop
JA	Junior Academy
KS	KidSpace
Li	Library
LiSc	Library Special Collection
Mm	Membership
OM	Ornithology & Mammology
Op	Operations
Os	Osher Laboratory
PD	Pacific Discovery
Ph	Photography
Pi	Public Information
Pl	Planetarium
PS	Printshop
PW	Pepperwood Ranch
SE	Special Events
TP	Tidepool

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Kriss Nelson
Personnel Assistant
Chikako Epure

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Arthur Rostoker

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Dean Do
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Design Detailer
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Building Services Supervisor
Ken Chadwick
Cabinet Shop Supervisor
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Arthur Rostoker (to 8/90)
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Bruce Arneson (to 8/90)
George Duran
Michael Kucz
John Norton
Mark O'Brien
Christopher Wright (to 8/90)
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Keith Gershon
Apprentice Electricians
Andy Anderson
Philip Lagarda (from 5/91)
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Lonner Holden (to 7/90)
Gus Marino (from 1/91)
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Custodians
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Tony Bertolazzi
Sam Elliott
David Hoitt
Gus Marino
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Assistant Chief of Security
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Robert Dempster
Anthony Price
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Paul Blumenthal
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Paul Martinez
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Lane Chrisman
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Kenneth Hangartner
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Assistant Secretary
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Carmen Corenjo
Susan Cratty
Diane Farmer
Pat Fischer
Bernadette Hurley
Fran Kalbfeld
Carole Koppel
Susan Langlands
Linda Larrabee
Karen Lubisch
Darnell Mabrey
Stacy Martin
Eban Schletter
Matt Sedik
Cheryl Stanley
Scott Vance
Edith Wilson

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Receptionist
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Annamarie von Korner

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Monique Tsutsui
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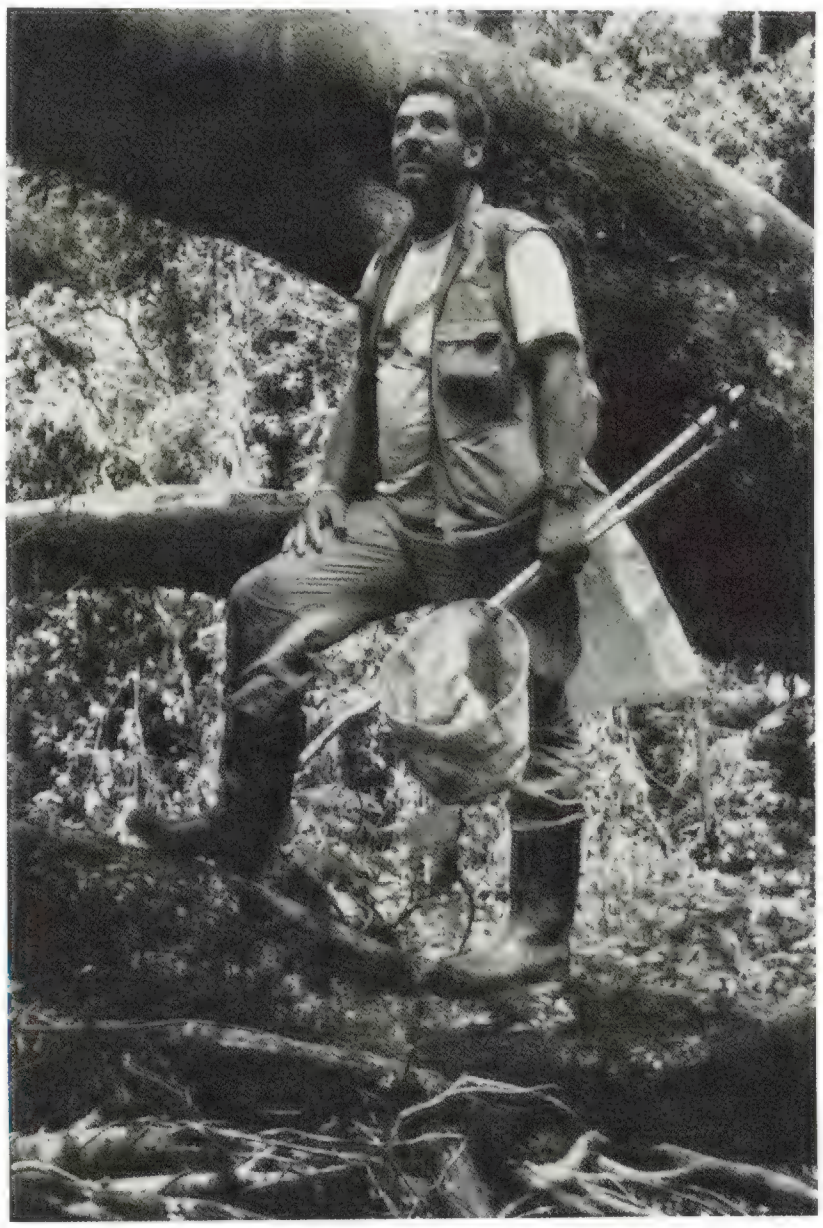

Dr. Robert Drewes, Curator of Herpetology, in the Impenetrable Forest in Uganda.

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Jannice Harley
Susan Langlands
Linda Larrabee
Stacy Martin
Eban Schletter
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Linda Kulik (from 4/91)
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Linda Kulik (to 10/90)
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Carolyn P. Perot (to 5/91)
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NORTH AMERICAN ENDANGERED SPECIES PHOTOGRAPHIC PROJECT

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F. Edward Ely
Kenneth Howell
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Stewart Madin
Pathologist
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Secretary
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Elizabeth M. Garrett
Archie Green
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Eugene M. Hattori
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John W. Rick
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Maima Te'o
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Barrett Anderson
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Irja Knight
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Edward L. Smith
David B. Weissman
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Associates
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Research Associates
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Barbara Butler (from 1/91)
Biodiversity Center Intern
Michele Van Hoeck
(from 1/91)
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Malcolm R. Miller
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Michael Tyler
Field Associates
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John Gasperetti
Leo Hoevers
Associates
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Curator
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Curator Emeritus
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Collections Manager
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Senior Scientific Assistant
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Honorary Curator of Diatoms
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Jean F. DeMouthe
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Lise Thomsen
Curatorial Assistants
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James B. Cunningham
(from 6/91)
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Betsey D. Cutler
Raymond L. Deiter
Connie Ewald
James Michael Harris
John Holden
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Judd A. Howell
Bernard L. Krause
James P. O'Brien
S. Jonathan Stern
Isidore O. Szczepaniak
Marc A. Webber

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SEM Technician
Lisa Borok

OSHER LABORATORY FOR MOLECULAR SYSTEMATICS
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SCIENTIFIC PUBLICATIONS

GENERAL

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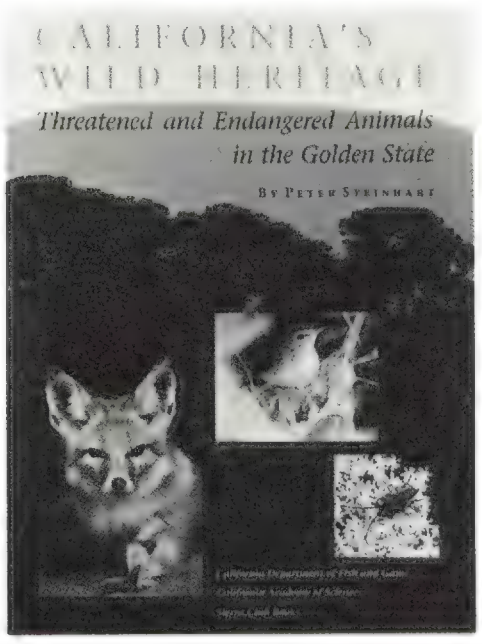

STAFF PUBLICATIONS

ANTHROPOLOGY

SCIENTIFIC PUBLICATIONS

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BOTANY

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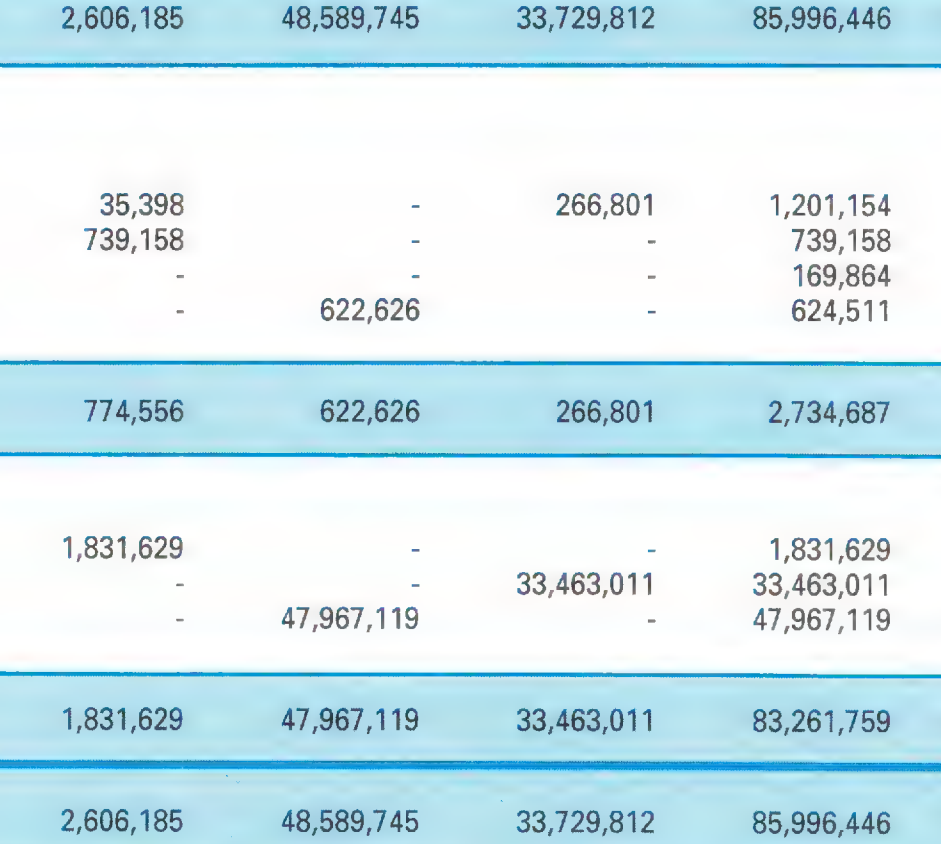
BALANCE SHEET

June 30,1991
(with comparative totals for 1990)

	Current funds				Total all funds	
	General Operating	Restricted	Endowment and Similar Funds	Plant Fund	1991	1990
ASSETS						
Cash and cash equivalents:						
Commercial accounts	$ 5,593	334,468	-	43,680	383,741	265,717
Savings accounts and money market funds	-	1,825,818	-	-	1,825,818	2,718,374
Receivables:						
Research grants	-	777,608	-	-	777,608	443,356
Accrued interest and dividends	273,848	-	-	-	273,848	148,862
Other	114,076	6,737	128,782	172,421	422,016	439,463
Inventory	359,423	-	-	-	359,423	288,842
Prepaid expenses	331,409	11,618	-	-	343,027	396,089
Investments in marketable securities	-	-	48,824,355	-	48,824,355	45,473,920
Property and equipment at cost, less accumulated depreciation	-	-	-	32,786,610	32,786,610	1,458,460
Due from (to) other funds	(13,645)	(350,064)	(363,392)	727,101	-	-
Total assets	$ 1,070,704	2,606,185	48,589,745	33,729,812	85,996,446	51,633,083
LIABILITIES AND FUND BALANCES						
Liabilities:						
Accounts payable and accrued expenses	898,955	35,398	-	266,801	1,201,154	1,159,572
Deferred grant revenue	-	739,158	-	-	739,158	395,441
Deferred income	169,864	-	-	-	169,864	124,790
Other liabilities	1,885	-	622,626	-	624,511	13,445
Total liabilities	$ 1,070,704	774,556	622,626	266,801	2,734,687	1,693,248
Fund balances:						
Current restricted	-	1,831,629	-	-	1,831,629	1,742,194
Plant fund	-	-	-	33,463,011	33,463,011	960,606
Endowment and similar funds	-	-	47,967,119	-	47,967,119	47,237,035
Total fund balances	-	1,831,629	47,967,119	33,463,011	83,261,759	49,939,835
Total liabilities fund balances	$ 1,070,704	2,606,185	48,589,745	33,729,812	85,996,446	51,633,083

Three Year Attendance at the California Academy of Sciences



The information on these pages has been summarized from audited financial statements, copies of which are available upon request from the office of the executive director.

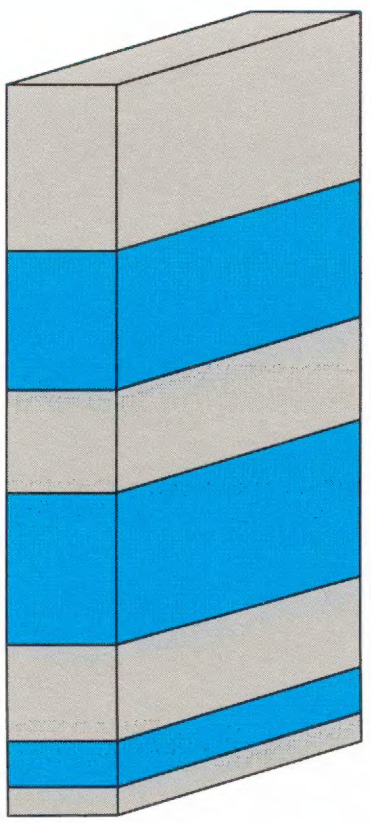
STATEMENT OF ACTIVITY AND CHANGES IN FUND BALANCES

Year ended June 30, 1991
(with comparative totals for 1990)

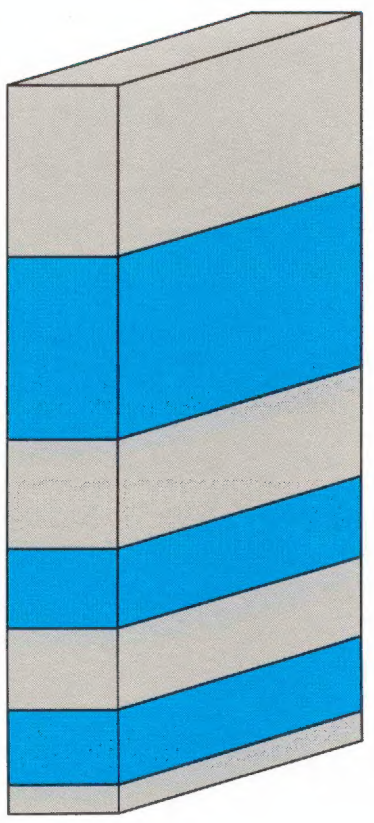
	Current funds					Total all funds	
	General Operating	Restricted	Endowment and Similar Funds	Plant Fund	Museum Modernization Fund	1991	1990
Support and revenue:							
Admissions	$ 3,132,090	-	-	-	-	3,132,090	2,988,642
Contributions	1,474,592	536,191	-	-	-	2,010,783	2,063,137
Memberships	622,329	340	-	-	-	622,669	579,449
Tuition and program fees	471,918	189,510	-	-	-	661,428	499,093
Auxiliary activities	1,823,427	-	-	-	-	1,823,427	2,208,172
Government grant income	148,251	422,326	-	-	-	570,577	589,768
City of San Francisco	1,790,360	-	-	-	-	1,790,360	1,634,932
Investment income	26,449	154,432	-	-	-	180,881	25,985
Endowment yield	1,946,349	140,640	-	-	-	2,086,989	1,979,049
Rental income, net	-	-	-	-	-	-	103,539
Total support and revenue	11,435,765	1,443,439	-	-	-	12,879,204	12,671,766
Expenses:							
Research	2,896,558	419,815	-	13,467	-	3,329,840	3,134,399
Public programs	2,967,859	386,597	-	25,948	-	3,380,404	3,047,185
Aquarium	2,039,718	22,413	-	-	-	2,062,131	1,817,039
Development and membership	1,377,861	68,113	-	-	-	1,445,974	1,293,927
Auxiliary activities	1,556,668	-	-	-	-	1,556,668	1,559,309
Management and general	1,376,197	2,019	-	-	-	1,378,216	1,159,436
Government grant overhead cost reimbursement	(74,967)	74,967	-	-	-	-	-
Depreciation expense	-	-	-	1,179,185	-	1,179,185	-
Total operating expense	12,139,894	973,924	-	1,218,600	-	14,332,418	12,011,295
Excess (deficiency) of revenues over expenses before capital transactions and transfers	(704,129)	469,515	-	(1,218,600)	-	(1,453,214)	660,471
Capital transactions:							
Interest	-	-	-	90,104	-	90,104	286,879
Net gain on sale of investments	-	-	878,984	-	-	878,984	1,641,017
Net gain on sale of commercial building	-	-	-	-	-	-	11,128,755
Grants and donations	-	-	3,103,534	688,259	-	3,791,793	1,256,207
City and County of San Francisco	-	-	-	1,845,870	-	1,845,870	-
Recognition of deferred restricted support	-	-	-	-	-	-	2,953,008
Total capital transactions	-	-	3,982,518	2,624,233	-	6,606,751	17,265,866
Excess (deficiency) of revenues over expenses	(704,129)	469,515	3,982,518	1,405,633	-	5,153,537	17,926,337
Fund balances, beginning of year	-	1,742,194	47,237,035	-	960,606	49,939,835	35,643,746
Prior year adjustment for property and equipment	-	-	(1,458,460)	30,587,453	(960,606)	28,168,387	-
Fund balances as restated	-	1,742,194	45,778,575	30,587,453	-	78,108,222	35,643,746
Acquisition of property and equipment	(294,868)	(200,666)	-	495,534	-	-	(3,630,248)
Fund transfers	998,997	(179,414)	(1,793,974)	974,391	-	-	-
Fund balances, end of year	$ -	1,831,629	47,967,119	33,463,011	-	83,261,759	49,939,835

Current Funds Revenue

Admissions	3,132,090	23%
Contributions/Membership	2,633,452	19%
Auxiliary	1,823,427	14%
Endowment	2,906,572	21%
City and County of San Francisco	1,790,360	13%
All Other	842,309	6%
Government Grants	570,577	4%



Current Funds Expenses



Research 3,316,372 24%

Public Programs 3,354,456 25%

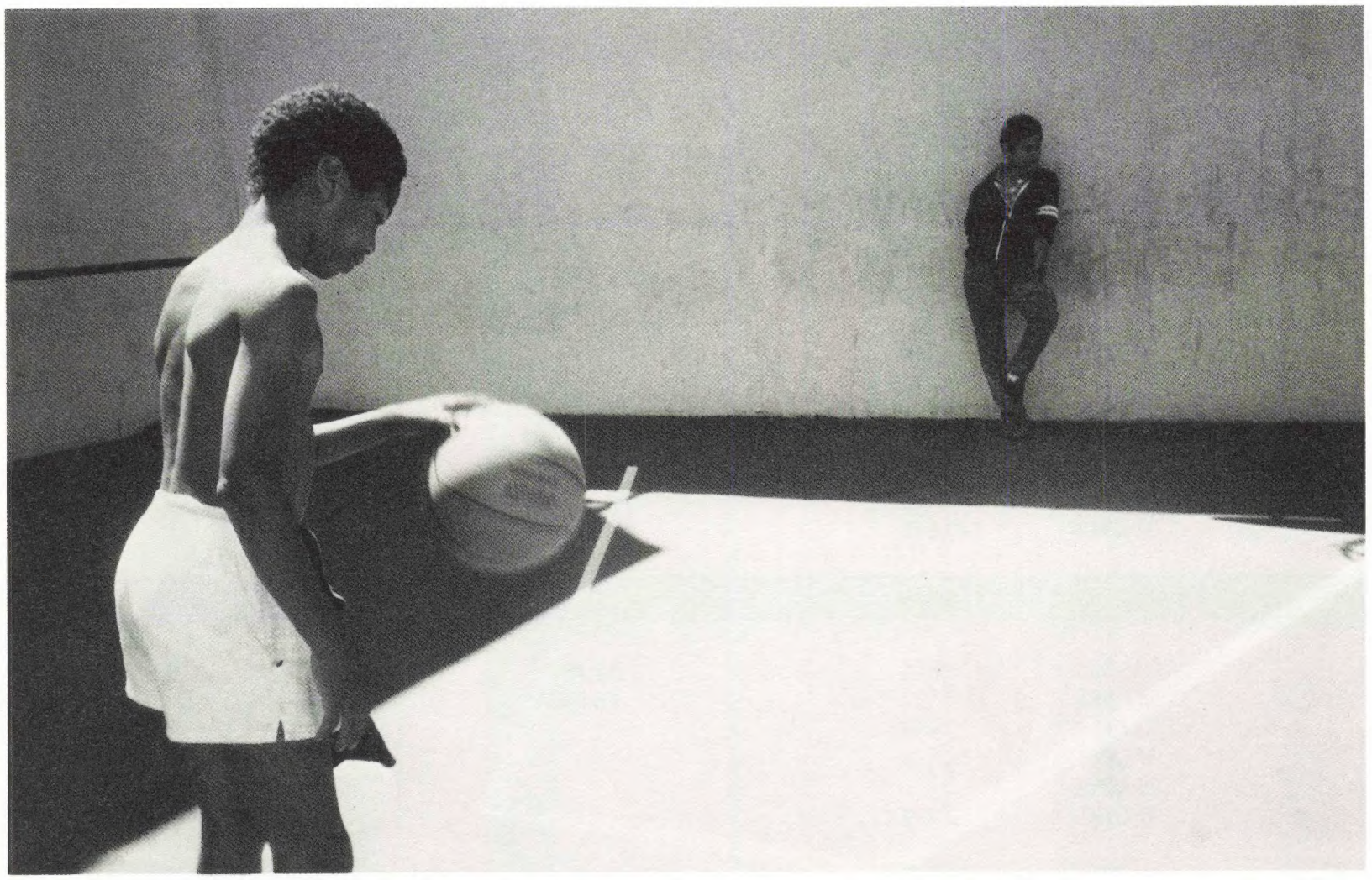
Aquarium 2,062,131 15%

Auxiliary 1,556,638 11%

Development/Membership 1,445,974 11%

Management/General 1,378,216 10%

Capital 495,534 4%



The 9th annual Photography Contest for Young People, sponsored by the Academy, Kodak and KRON-TV, received more than 1,800 entries, establishing itself as the largest such competition in the West.

Seen here is a photograph which won first place in the People at Work and Play category, by Douglas Gutierrez, age 9.

Photography:

Frank Almeda, page 3

Jack Dykinga, page 6 (desert)

Roy Eisenhardt, page 28

Charlotte Fiorito, pages 1, 10

David Liittschwager, page 5

Caroline Kopp, front cover (kids), inside front cover, pages 7, 12, 13, 14, 17, 18 (Curators' Circle), 19, 21, 22, 25, back cover

Jan Lundberg, pages 11, 15

Michael McRae, page 23

Susan Middleton, front cover, page 4 (baskets), 6, 8, 12 (frogs), 14 (B. Lopez), 18

Galen Rowell, page 8 (Tibet)

C.A.S. photo archives, pages 4, 9

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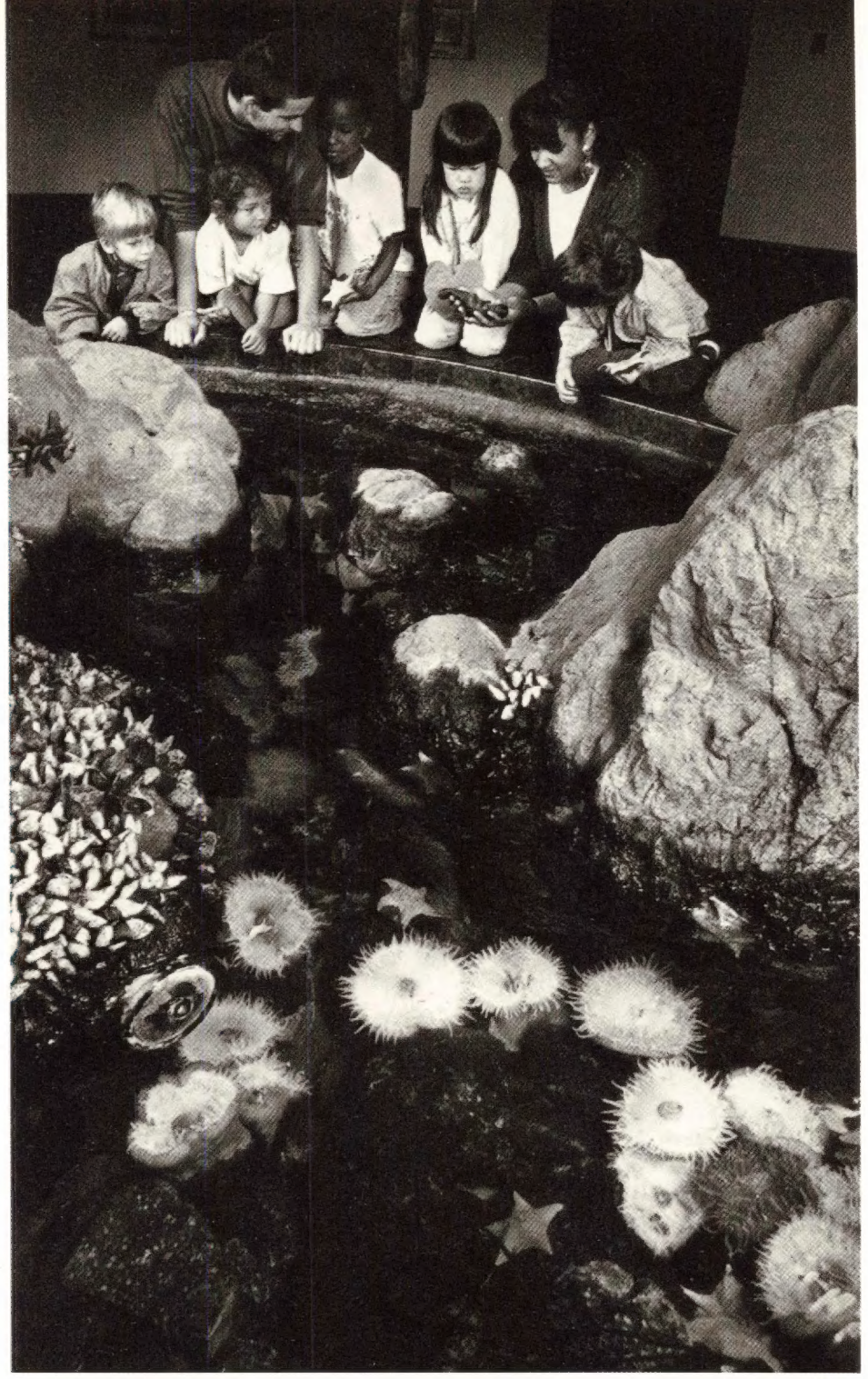

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